Index of Claims

| Application/Control No |
|------------------------|
|------------------------|

10/669,284

Examiner

Johannes P. Mondt

Applicant(s)/Patent under Reexamination

SAKAMA ET AL.

Art Unit

3663

| √ | Rejected |
|---|----------|
| = | Allowed  |

| (Through numeral)<br>Cancelled |
|--------------------------------|
| Postricted                     |

| N | Non-Elected  |
|---|--------------|
| ı | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla  | im       |          |                 |          | D        | ate      |         |                         |          |          |   | Cla           | im       |          |                 |           | D        | ate      |         |                    |           |          | CI    | aim        |              |                     |          |          | Date     | В        |          |          |               |
|--|----------|----------|-----------------|----------|----------|----------|---------|-------------------------|----------|----------|---|---------------|----------|----------|-----------------|-----------|----------|----------|---------|--------------------|-----------|----------|-------|------------|--------------|---------------------|----------|----------|----------|----------|----------|----------|---------------|
| Final  | Original | 11/12/05 |                 |          |          |          |         |                         |          |          |   | Final         | Original | 11/12/05 |                 |           |          |          |         |                    |           |          | Final | Original   |              |                     |          |          |          |          |          |          |               |
|  |          | -        |                 |          | 1        | 1        | 1       | 1                       | 1        | ╝        |   |               |          |          | Ш               | _         | _        | 1        | 4       | $\perp$            |           |          |       |            |              | Ц                   |          |          |          | _        |          |          | Ш             |
|  | 1        | _        | $\square$       | 4        | $\dashv$ | +        | +       | $\perp$                 | +        | 4        |   |               | 51       | V        | -               |           | $\dashv$ |          |         | +                  | $\square$ |          |       | 101        | _            | Н                   | _        | _        | -        | -        | $\dashv$ |          | $\vdash$      |
|  | 3        | <u> </u> | $\vdash \vdash$ | +        | $\dashv$ | +        | +       | +                       | +        | $\dashv$ |   |               | 52<br>53 | V<br>V   | $\vdash$        | $\dashv$  | +        | +        | +       | +                  | $\square$ |          |       | 102<br>103 | ⊢            | H                   | _        | _        |          | $\vdash$ | $\dashv$ | _        | <u> </u>      |
|  | 4        | <u> </u> | $\vdash$        | +        | $\dashv$ | +        | +       | +                       | +        | $\dashv$ |   |               | 54       | V        | Н               | $\dashv$  | +        | +        | +       | +                  | H         |          |       | 103        | ⊢            | $\vdash$            |          |          |          | $\vdash$ | $\dashv$ | _        | $\vdash$      |
|  | 5        |          | H               | +        | $\dashv$ | +        | +       | +                       | +        | $\dashv$ |   |               | 55       | v        | $\vdash$        | $\dashv$  | +        | +        | +       | +                  | $\dashv$  |          |       | 105        | $\vdash$     | Н                   | $\dashv$ | -        |          | Н        |          | _        | $\vdash$      |
|  | 6        |          | $\forall$       | $\dashv$ | $\dashv$ | +        | +       | +                       | $\top$   | $\dashv$ |   |               | 56       | v        | $\vdash$        | $\dashv$  | $\dashv$ | $\dashv$ | +       | +                  | $\dashv$  |          |       | 106        | ├            | $\vdash$            | $\neg$   |          |          |          | $\dashv$ |          | $\vdash$      |
|  | 7        |          |                 | $\dashv$ | 1        | T        | +       | $\top$                  | _        | 7        |   |               | 57       | ٧        |                 |           | +        |          | $\top$  |                    |           |          |       | 107        | _            | П                   |          |          |          |          | $\Box$   |          | $\overline{}$ |
|  | 8        |          |                 |          | 十        | 1        | 十       | 7                       |          |          |   |               | 58       | ٧        |                 |           | $\top$   | T        |         |                    |           |          |       | 108        |              | П                   |          |          |          |          |          |          | _             |
|  | 9        |          |                 |          |          |          |         |                         |          |          |   |               | 59       | ٧        |                 |           |          |          |         |                    |           |          |       | 109        |              |                     |          |          |          |          |          |          | $\overline{}$ |
|  | 10       |          |                 |          |          |          |         |                         |          |          |   |               | 60       | V        |                 |           |          |          |         |                    |           |          |       | 110        |              |                     |          |          |          |          |          |          |               |
| ]  | 11       |          | Ш               |          | $\perp$  | $\perp$  |         | $\bot$                  | $\bot$   |          |   |               | 61       | ٧        |                 | $\bot$    | Ţ        | $\perp$  | $\perp$ | $\Box$             |           |          |       | 111        |              | П                   |          |          |          |          |          |          | _             |
|  | 12       |          | <b> </b>        | _        | _        |          | 4       | _                       | _        | _        |   |               | 62       | ٧        | $\sqcup$        | $\perp$   | $\perp$  | $\perp$  | $\perp$ | $\perp \perp$      | Щ         |          |       | 112        | _            | Ш                   |          |          |          | Ш        |          |          | <u> </u>      |
| <b>                                     </b> | 13       |          |                 | $\perp$  | -        | _        | $\perp$ | $\perp$                 | $\perp$  | 4        |   |               | 63       | V        | -               | $\perp$   | $\perp$  | $\perp$  | $\perp$ | +                  | Щ         |          |       | 113        |              |                     | _        | Щ        |          | Ш        |          |          | <u> </u>      |
|  | 14       |          | Ш               | $\dashv$ |          | - -      | 4       | +                       | +        | 4        |   |               | 64       | ٧        | Н               | $\dashv$  | +        | +        | +       | +                  | Щ         |          |       | 114        | _            | $\vdash \vdash$     | _        |          |          | $\vdash$ | $\sqcup$ |          | <u> </u>      |
|  | 15<br>16 |          | $\vdash$        | +        | +        | +        | +       | +                       | +        | $\dashv$ |   |               | 65<br>66 | V<br>V   | $\vdash \vdash$ | +         | +        | +        | +       | +                  | $\vdash$  |          |       | 115        | <del> </del> |                     |          | $\dashv$ |          | Н        | $\vdash$ |          |               |
|  | 17       |          | $\vdash$        | +        | +        | +        | +       | +                       | +        | -        |   |               | 67       | V        | $\vdash \vdash$ | +         | +        | +        | +       | +-                 | $\dashv$  |          |       | 116<br>117 | -            | $\vdash$            |          | $\vdash$ |          | $\vdash$ | $\vdash$ | -        |               |
|  | 18       |          |                 | +        | +        | +        |         | +                       | +        | $\dashv$ |   |               | 68       | v        | $\vdash$        | +         | +        | +        | +       | +                  | $\dashv$  |          |       | 118        | $\vdash$     | $\vdash \vdash$     | $\dashv$ |          |          | Н        | $\vdash$ |          |               |
|  | 19       |          | -               | +        | ╅        | +        | _       | ╁                       | _        | $\dashv$ |   |               | 69       | v        | -               | +         | +        | +        | +       | +                  | $\dashv$  |          |       | 119        | _            | Н                   | $\dashv$ |          | -        |          |          |          |               |
|  | 20       |          |                 | _        | $\dashv$ | +        | +       | Ť                       | +        |          |   |               | 70       | V        |                 | $\forall$ | $\dashv$ | +        | +       | $\dagger$          | $\dashv$  |          |       | 120        | -            | H                   | $\dashv$ |          |          |          |          |          |               |
|  | 21       |          |                 | _        | $\dashv$ | +        | $\top$  | +                       | $\top$   | 7        |   |               | 71_      | V        |                 | 十         | $\dashv$ | $\top$   | $\top$  | 1 1                |           |          |       | 121        |              | H                   | $\neg$   |          |          |          |          |          |               |
|  | 22       |          | T               | 7        | T        | 十        | Ť       | Ť                       | 十        |          |   |               | 72       | 1        |                 | 7         | $\dashv$ |          | $\top$  | 17                 | $\neg$    |          |       | 122        |              | П                   |          |          |          |          | $\neg$   |          |               |
|  | 23       |          |                 |          |          | T        |         |                         |          |          |   |               | 73       |          |                 | T         | T        | T        | 丅       | $\top$             |           |          |       | 123        |              | П                   |          |          |          |          |          |          |               |
|  | 24       |          |                 |          |          |          |         |                         |          |          |   |               | 74       |          |                 |           | 1        |          |         |                    |           |          |       | 124        |              |                     |          |          |          |          |          |          |               |
|  | 25       |          |                 |          |          | $\Box$   | $\perp$ | I                       | Ι.       |          |   |               | 75       |          |                 |           |          |          |         |                    |           |          |       | 125        |              |                     |          |          |          |          |          |          |               |
|  | 26       |          |                 |          |          |          | ŀ       | $\perp$                 |          |          |   |               | 76       |          |                 |           |          |          |         |                    |           |          |       | 126        |              |                     |          |          |          |          |          |          |               |
|  | 27       |          |                 | _        | _        | _        |         | $\perp$                 | $\perp$  | _        |   |               | 77       |          | $\Box$          | $\perp$   | $\perp$  |          | _       |                    | _         |          |       | 127        |              | Ш                   |          | _        |          |          |          |          |               |
|  | 28       |          | _               | _        | _        | 4        | 4       | 4                       | _        | _        |   |               | 78       |          |                 | _         | 4        | 4        | _       | 1                  | _         |          |       | 128        | <u> </u>     |                     | _        | _        | _        |          | _        |          |               |
|  | 29       |          |                 | _        | 4        | _        | 4       | 4                       |          | 4        |   |               | 79       |          | _               | _         | 4        |          | ╁.      |                    | _         |          |       | 129        | $oxed{oxed}$ | $\sqcup$            | _        | _        |          |          | _        |          |               |
|  | 30       |          | _               | +        | +        |          | +       | +                       | -        | 4        |   |               | 80       |          |                 | +         | +        | +        | +       | $\perp$            |           |          |       | 130        |              | $\Box$              |          | -        | _        |          |          |          |               |
|  | 31<br>32 |          | -               | $\dashv$ | +        | +        | +       | +                       | +        | -        |   |               | 81<br>82 | <u> </u> | -               | +         | +        | +        | +       | +                  |           |          |       | 131        |              | $\vdash$            | $\dashv$ |          | -        | -        | -        |          |               |
| $\rightarrow$                                | 33       | _        |                 | +        | +        | +        | ┿       | +                       | ╁        | $\dashv$ |   |               | 83       | -        | +               | -+        | -        | +        | +       | +                  | $\dashv$  |          |       | 132<br>133 |              | $\dashv$            | $\dashv$ | $\dashv$ | $\dashv$ | -        | -+       | _        | _             |
| -  | 34       |          | $\dashv$        | $\dashv$ | +        | +        | +       | +                       | +        | -        |   | -             | 84       | -        | -               | $\dashv$  | +        | +        | +       | ┼╌┤                | $\dashv$  |          |       | 134        | Н            | $\vdash \vdash$     | $\dashv$ | ╌┤       | $\dashv$ | $\vdash$ | -        | -        |               |
|  | 35       |          | $\neg$          | 十        | 十        | +        | +       | $\dagger$               | $\dashv$ | -        |   | $\rightarrow$ | 85       | _        | $\dashv$        | +         | +        | 十        | +       | +                  | $\dashv$  |          |       | 135        | Н            | $\vdash \vdash$     | ᅥ        | ᅥ        |          |          | $\dashv$ |          | _             |
| $\neg$                                       | 36       |          |                 | 7        | 十        | $\top$   | $\top$  | $\dagger$               | $\dashv$ | 1        |   |               | 86       | Ť        | $\dashv$        | 十         | 十        | $\top$   | $\top$  | +                  | $\dashv$  |          |       | 136        | Н            |                     | $\dashv$ | $\dashv$ |          | $\vdash$ | $\dashv$ |          | _             |
|  | 37       |          |                 |          | _        | $\top$   | $\top$  | _                       | _        |          |   |               | 87       |          | $\Box$          |           | $\top$   | 1        |         |                    |           |          |       | 137        |              | $  \;  $            | 寸        | 一        |          |          | _        |          | _             |
|  | 38       |          |                 |          |          |          |         | _                       |          |          |   |               | 88       |          |                 |           |          |          |         |                    |           |          |       | 138        |              |                     |          |          |          |          |          |          |               |
|  | 39       |          |                 |          | $\Box$   |          | Ţ       | $oldsymbol{\mathbb{I}}$ |          |          |   |               | 89       |          | $\Box$          |           |          |          |         |                    |           |          |       | 139        |              |                     |          |          |          |          |          |          |               |
|  | 40       |          |                 |          |          | $\perp$  |         |                         | $\perp$  | _        |   |               | 90       |          | $\Box$          |           | $\perp$  | $\perp$  | $\perp$ | $\Box$             | _]        |          |       | 140        |              |                     |          |          |          |          |          |          |               |
|  | 41       | ٧        | _               | _        | 4        | _        | _       | $\perp$                 | $\perp$  | _        |   | ļ             | 91       |          | $\perp$         | $\dashv$  | $\perp$  | _        | $\bot$  | $\perp \downarrow$ | _         |          |       | 141        | Ш            | Ц                   | _        | _        | _        |          |          |          |               |
| $\dashv$                                     | 42       | :   <    | _               | $\perp$  | _        | $\bot$   | 4       | 4                       | 4        | 4        |   |               | 92       |          | $\dashv$        | +         | $\bot$   | $\perp$  | 4       | $\perp$            | _         |          |       | 142        | Ш            | $\sqcup$            | _        | _        | _        |          |          | _        |               |
|  |          | Ÿ        | -               | -        | +        |          |         | +                       | +        | 4        |   |               | 93       |          | $\dashv$        |           | +        | +        | +       | +                  | _         |          |       | 143        | Ш            | $\vdash \downarrow$ | _        |          | $\perp$  |          |          | _        |               |
| $\dashv$                                     | 44<br>45 | <b>V</b> |                 | +        | +        | +        | +       | +                       | +        |          |   |               | 94<br>95 |          | $\dashv$        | -+        |          | +        | +-      | +                  |           |          |       | 144        | $\vdash$     | $\vdash$            | _        |          |          |          |          | -        | _             |
|  | 46       | ∜        | $\dashv$        | +        | +        | +        | +       | +                       | +        | -        |   |               | 96       | $\vdash$ | $\dashv$        | +         | +        | +        | +       | +                  | $\dashv$  | 1        |       | 145<br>146 | $\vdash$     | $\vdash \vdash$     |          |          | _        |          | $\dashv$ | $\dashv$ | $\dashv$      |
| -+   | 47       | Ť        | $\dashv$        | +        | +        | +        | +       | +                       | +        | $\dashv$ | H |               | 97       |          | $\dashv$        | +         | +        | +        | +       | +                  | $\dashv$  |          |       | 147        | $\vdash$     | $\vdash$            | $\dashv$ | $\dashv$ |          |          | $\dashv$ | $\dashv$ |               |
| $\dashv$                                     | 48       | Ÿ        | $\dashv$        | $\dashv$ | +        | +        | +       | +                       | 十        | $\dashv$ | ŀ | $\dashv$      | 98       | -        | $\dashv$        | $\dashv$  | $\dashv$ | +        | +       | +                  | $\dashv$  | H        |       | 148        | $\vdash$     | $\dashv$            |          | $\neg$   | -        |          | $\dashv$ | $\dashv$ | $\dashv$      |
|  | 49       | V        | $\dashv$        | +        | 十        | +        | +       | +                       | +        | -        |   |               | 99       | $\dashv$ | 十               | +         | +        | +        | ╁       | +                  | -         | ::: <br> |       | 149        | $\vdash$     | $\dashv$            | $\dashv$ | -        | $\dashv$ | $\dashv$ | +        |          | $\dashv$      |
| $\neg \uparrow$                              | 50       | V        | 7               | $\top$   | $\dashv$ | $\dashv$ | _       | $\dagger$               | +        | $\dashv$ |   |               | 100      | _        | $\dashv$        | 7         | -†       |          | +       | $\dagger \dagger$  | $\dashv$  |          |       | 150        | $\vdash$     | -                   | $\dashv$ |          | _        | $\dashv$ | -+       |          | $\dashv$      |